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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVI, No. 12 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — December, 1968

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1968, averaged 131,724 barrels daily, a decrease of 4,901 barrels from the average November production of 136,625.

The nine refineries in the state processed 113,715 barrels of crude oil daily for the month of December, 1968, an increase of 5,241 barrels from the 108,474 barrels processed daily during the month of November, 1968.

During December, 54 wells were completed, 14 oil, 3 gas and 37 dry holes.

During December, the commission issued 72 permits to drill new wells, a decrease of 14 from the 86 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF DECEMBER, 1968

IN STORAGE DECEMBER 1st	
By Producers	414,906
By Transporters	1,548,266
By Refiners	776,051
TOTAL STORAGE	2,739,223
Produced in Montana During Month	4,083,457
Imported During Month	2,710,126
TOTALS	9,532,806
DISPOSITION:	
Refined in Montana	3,525,187
Exported	3,381,778
Used for Fuel or Lost	16,921
TOTAL	6,923,886
IN STORAGE DECEMBER 31st	
By Producers	448,662
By Transporters	1,346,295
By Refiners	813,963
TOTAL STORAGE	2,608,920

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1968

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	586,214
Big Coulee	155,890
Bowdoin	307,270
Bowes	40,731
Cabin Creek	105,341
Cedar Creek	1,259,367
Cut Bank (Including Reagan)	760,174
Devon	0
Dry Creek	75,589
Elk Basin	64,689
Flat Coulee	11,205
Gold Butte	4,918
Golden Dome	0
Grandview	100,925
Hardin	2,194
Keith Block	316,290
Kevin Sunburst	74,708
Lake Basin	106,763
Middle Butte	4,013
Mt. Lilly	28,644
Pine	62,078
Plevna	10,176
Utopia	100,556
Whitlash	104,878
Miscellaneous	196,040
TOTAL	4,478,653

Total withdrawals for December, 1967 were 3,860,005

PRODUCERS REPORT—MONTH OF DECEMBER, 1968

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	488	2,250	.....	2,250	.....	488
	Bannatyne		1,081	.....	.....	447	.....	634
1	Bascom	1	234	36	.....	.....	.....	270
4	Bear's Den	5	1,899	1,061	.....	1,041	.....	1,919
80	Bell Creek	328	87,409	1,527,027	1,511,761	.....	2,753	99,922
1	Benrud	1	371	862	439	.....	.....	794
1	Benrud East	1	860	7,406	7,975	.....	.....	291
1	Benrud Northeast	1	1,185	5,709	6,035	.....	.....	859
	Berthelote		598	.....	.....	.....	.....	598
6	Big Wall	20	974	18,060	17,067	.....	100	1,867
4	Blackfoot	6	1,412	2,114	745	817	.....	1,964
1	Border	1	.....	377	.....	377	.....	.....
1	Bowes	58	3,538	13,091	11,854	.....	.....	4,775
1	Bradley	1	246	642	214	.....	.....	674
	Brady		738	.....	.....	.....	.....	738
6	Brorson-Red River	6	2,878	67,110	.....	67,449	.....	2,539
1	Brush Mountain	1	853	6,176	.....	5,743	.....	1,286
2	Cabin Creek	99	.....	290,313	290,313	.....	.....	.....
17	Cat Creek	72	2,356	14,433	12,647	1,497	51	2,594
1	Clark's Fork	1	51	.....	.....	.....	.....	51
3	Conrad South	3	662	1,036	1,036	.....	.....	662
1	Cupton	1	1,281	768	.....	975	.....	1,074
149	Cut Bank	944	69,687	344,119	333,754	779	760	78,513
2	Deer Creek	3	613	2,916	2,764	.....	.....	765
1	Delphia	1	596	322	.....	216	.....	702
	Devil's Basin		671	.....	.....	.....	.....	671
1	Dwyer	13	3,312	18,399	17,121	.....	.....	4,590
4	Elk Basin	51	2,288	213,377	213,741	.....	.....	1,924
5	Elk Basin Northwest	14	2,319	9,105	9,079	.....	.....	2,345
10	Fairview	11	11,425	79,502	.....	81,775	.....	9,152
2	Fertile Prairie	2	623	1,119	815	.....	.....	927
9	Flat Coulee	27	6,155	14,266	14,864	.....	11	5,546
38	Flat Lake	56	7,700	66,683	66,149	.....	.....	8,234
2	Flat Lake South	2	4,958	3,465	3,172	.....	.....	5,251
2	Frannie	2	.....	856	856	.....	.....	.....
18	Fred & George Creek	38	3,604	52,972	52,890	.....	.....	3,686
1	Gage	1	604	173	154	.....	300	323
4	Gas City	23	5,409	29,004	30,357	.....	.....	4,056
11	Glendive	15	2,659	34,356	28,891	4,921	.....	3,203
24	Goose Lake	33	5,031	57,176	57,564	.....	.....	4,643
9	Graben Coulee	20	4,301	6,785	5,589	1,252	.....	4,245
	Grandview		528	.....	.....	.....	.....	528
1	Gypsy Basin	1	1,602	6	.....	564	120	924
9	Hiawatha	9	6,221	26,152	25,530	.....	.....	6,843
1	Hibbard	1	534	183	.....	213	.....	504
1	Injun Creek	1	633	1,100	.....	1,100	.....	633
4	Ivanhoe	9	1,648	8,892	7,787	.....	.....	2,753
8	Keg Coulee	23	6,584	13,732	15,668	.....	452	4,196
2	Keg Coulee North	2	577	1,197	.....	.....	.....	1,774
2	Kelley	5	981	12,803	12,828	.....	.....	956
87	Kevin Sunburst	389	16,563	25,598	12,337	12,946	212	16,666
8	Laird Creek	11	359	9,458	.....	9,381	.....	436
1	Little Beaver	29	.....	24,663	24,663	.....	.....	.....
2	Little Beaver East*	14	1,937	18,492	17,626	.....	.....	2,803
3	Lodge Grass	3	1,828	2,797	.....	2,179	9	2,437
2	Lookout Butte (Coral Creek)	34	355	57,337	57,237	.....	.....	455
2	Mackay Dome	2	1,172	150	150	.....	.....	1,172
2	Mason Lake	2	524	1,516	1,467	.....	.....	573
2	Melstone	4	918	1,998	2,242	.....	.....	674
1	Mineral Bench	1	525	1,373	1,307	.....	.....	591
2	Miner's Coulee	3	347	329	.....	569	.....	107
11	Monarch	16	6,029	17,559	17,969	.....	.....	5,619
7	Outlook	11	7,405	23,701	.....	22,843	.....	8,263
2	Outlook South	2	1,804	5,471	.....	5,887	.....	1,388
2	Outlook West	2	1,364	5,725	.....	4,930	.....	2,159
1	Pennel—Lookout Butte	148	9,754	153,864	152,737	.....	.....	10,881
4	Pine	119	20,333	299,513	302,014	.....	.....	17,832
1	Pole Creek	1	593	3,378	.....	2,646	.....	1,325
64	Pondera	272	8,482	26,566	26,218	.....	.....	8,830
4	Poplar	67	10,343	55,940	56,346	.....	.....	9,937
4	Poplar Northwest	4	2,517	1,540	2,189	.....	.....	1,868
	Prairie Elk		333	.....	.....	.....	.....	333
4	Ragged Point	12	3,351	7,509	6,053	.....	.....	4,807
1	Rattlesnake Coulee	1	348	521	.....	.....	.....	869
2	Reagan	45	485	20,223	20,073	.....	.....	635
1	Red Creek	26	.....	23,505	23,505	.....	.....	.....
1	Red Fox	1	371	8,138	8,128	.....	.....	381
1	Redstone	1	614	5,258	5,139	.....	.....	733
1	Repeat	1	201	1,266	.....	1,062	.....	405
5	Reserve	5	261	13,338	.....	13,406	.....	193
1	Richey	1	707	732	645	.....	.....	794
6	Richey Southwest	6	814	5,879	5,538	.....	.....	1,155
5	Sand Creek	7	2,742	12,013	11,869	.....	.....	2,886
1	Shotgun Creek	1	201	1,294	.....	979	.....	516
3	Sidney-Brorson	3	1,652	1,488	.....	1,438	.....	1,702
1	Smoke Creek	1	291	201	.....	.....	.....	492
1	Snyder	3	251	650	.....	650	.....	251
8	Soap Creek	18	4,892	5,264	.....	5,553	.....	4,603
1	Spring Lake	2	1,810	1,980	.....	1,706	.....	2,084
1	Stensvad	15	3,025	17,701	18,998	.....	.....	1,728
26	Sumatra	91	9,712	62,231	60,048	.....	.....	11,895
5	Tule Creek	6	2,917	40,536	.....	40,778	.....	2,675
2	Tule Creek East	2	858	16,463	.....	15,754	.....	1,567
2	Tule Creek South	3	698	10,058	.....	8,480	13	2,263
2	Vida	2	981	1,394	1,748	.....	.....	627
4	Volt	5	2,638	17,185	16,504	.....	.....	3,319
2	Weed Creek	3	706	7,573	7,160	.....	36	1,083
5	Weldon	12	1,894	53,804	54,063	.....	.....	1,635
1	West Butte	1	.....	4,651	.....	4,651	.....	.....
16	Whitlash	33	7,850	14,548	12,903	.....	.....	9,495
2	Whitash West	2	518	486	210	.....	.....	794
3	Wills Creek South	3	172	4,725	4,605	.....	.....	292
6	Wolf Springs	9	3,086	6,804	5,997	.....	.....	3,893
3	Woodrow	3	384	3,069	3,216	.....	.....	237
1	Wildcat, Blaine Cty	1	359	.....	.....	166	.....	193
	Wildcat, Carbon Cty		629	.....	.....	.....	.....	629
2	Wildcat, Glacier Cty	4	958	1,125	1,112	.....	.....	971
2	Wildcat, Richland Cty	2	2,389	15,894	.....	14,604	.....	3,679
1	Wildcat, Sheridan Cty	1	1,324	430	.....	.....	.....	1,754
1	Wildcat, Stillwater Cty	1	955	386	449	.....	.....	892
2	Wildcat, Toole Cty	2	.....	1,036	1,036	.....	.....	.....
799	Total	3,385	414,906	4,083,457	3,703,160	342,024	4,817	448,362

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1967	34,959,026	96,778	34,845,434	95,466
First Quarter, 1968	10,606,010	116,549	10,556,409	116,004
Second Quarter, 1968	12,517,926	137,559	12,520,339	137,586
Third Quarter, 1968	13,005,693	141,366	12,997,682	141,279
October, 1968	4,148,733	133,830	4,163,176	134,296
November, 1968	4,098,760	136,625	4,087,989	136,266
December, 1968	4,083,457	131,724	4,045,184	130,490

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1967	423,176	1,063,477	632,990	2,119,643
March, 1968	457,799	1,206,686	841,174	2,505,659
June, 1968	442,059	1,477,769	1,023,508	2,943,336
September, 1968	430,609	1,395,375	781,204	2,607,188
October, 1968	409,123	1,335,162	723,031	2,467,316
November, 1968	414,906	1,548,266	776,051	2,739,223
December, 1968	448,662	1,346,295	813,963	2,608,920

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF DECEMBER, 1968

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,250				2,250		
BANNATYNE—Truck			447			447			
BEAR'S DEN—Truck			1,041					1,041	
BELL CREEK—Pipelines		1,527,027					781,294	745,733	
BIG WALL—									
Continental Pipeline Co.		17,128				17,128			
BLACKFOOT—									
Camerland Cardinal Corp.			817					817	
Union Oil Co.		745				745			
		745	817			745		817	
BORDER—Truck			377				377		
BOWES—Texaco		11,854				11,854			
BRORSON-RED RIVER—									
Rock Island Oil & Ref. Co.			67,449				67,449		
BRUSH MOUNTAIN—									
Sinclair Ref. Co.			5,743				5,743		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	393,400	754,470	6,958	1,340,146			2,200,996		293,978
Shell Pipeline Co.	5,349	238,736			9			238,780	5,296
	398,749	993,206	6,958	1,340,146	9		2,200,996	238,780	299,274
CAT CREEK—									
Continental Pipeline Co.		12,647	1,497			14,144			
CUT BANK—									
Continental Pipeline Co.			30,142	1,089,998				1,120,140	
Phillips Petroleum Co.	80,009	48,828		88,895	3,793	115,647			98,292
Texas Pipeline Co.	15,633	110,489		27,211	402			128,437	24,494
Union Oil Co.	122,494	68,525			638	117,759			72,622
Western Oil Trans. Co.		34,452						34,452	
Western Oil Trans. (Moulton)		40,971						40,971	
	218,136	303,265	30,142	1,206,104	4,833	233,406		1,324,000	195,408
DELPHIA—Truck			216			216			
DWYER—Portal Pipeline Co.		17,079					17,079		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		221,746				221,746			
FAIRVIEW—Truck			81,775				29,612	52,163	
FLAT COULEE—									
Camerland Cardinal Corp.		13,097				10,500		2,597	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		60,277					60,277		
FRANNIE—Interstate Pipeline Co.		856					856		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	21,268	63,927				63,615			21,580
GLENDIVE, DEER CREEK WOODROW & SAND CREEK—									
Texas Pipeline Co.	11,079	37,511			288			38,602	9,700
GOOSE LAKE—									
Portal Pipeline Co.		54,320					54,320		
HIAWATHA—									
Continental Pipeline Co.		24,490					24,490		
HIBBARD—Truck			1,100				1,100		
INJUN CREEK—Permian Corp.			213			213			
IVANHOE—									
Continental Pipeline Co.		7,788				7,788			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		17,729				14,508	3,221		
KELLEY—									
Continental Pipeline Co.		12,828				12,828			
KEVIN SUNBURST—									
Big West Oil Co.	6,003	13,500				13,500			6,003
Homestake Oil & Gas Co.	6,137	1,926			1,342	3,059			3,662
Texas Pipeline Co.	7,411	9,094		3,704	92			12,096	8,021
	19,551	24,520		3,704	1,434	16,559		12,096	17,686
LODGE GRASS—Truck			2,179			2,179			
MASON LAKE—									
Continental Pipeline Co.		1,066				1,066			
MELSTONE—									
Continental Pipeline Co.		2,242				2,242			
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			33,660				33,660		
POLE CREEK—Truck			2,646				2,646		
PONDERA—Phillips Petr. Co.	42,916	26,416			1,767	18,113			49,452
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	12,569	124,645			350			126,264‡	10,600
RAGGED POINT—									
Continental Pipeline Co.		5,158				5,158			
RED CREEK—									
Western Oil Transportation Co.		27,105						27,105	
RESERVE—Truck			13,406				13,406		
SHOTGUN CREEK—Truck			979				979		
SIDNEY-BRORSON—Truck			1,438					1,438	
SNYDER—Truck			650			650			
SOAP CREEK—Truck			5,553				5,553		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			1,706				1,706		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	810,535	71,315		106,504	2,591	50,877		199,740	735,146
TULE CREEK—									
Tesero Petr. Corp.	13,463		65,012			71,026			7,449
WEED CREEK—									
Continental Pipeline Co.		7,160				7,160			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		15,182				15,182			
WOLF SPRINGS—									
Continental Pipeline Co.		5,997				5,997			
WILDCAT WELLS—Truck			14,770				14,770		
TOTALS	1,548,266	3,708,326	342,024	2,656,458	11,272	805,347	3,321,784	2,770,376	1,346,295

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1968

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		17,128								17,128
Cat Creek		6,283		6,117						12,400
Cut Bank	47,773						82,200		104,178	234,151
Elk Basin		87,872		59,203	74,671					221,746
Flat Coulee									10,500	10,500
Fred & George Creek	63,615									63,615
Ivanhoe		7,788								7,788
Keg Coulee		1,766		12,742						14,508
Kelley					12,828					12,828
Kevin Sunburst	16,559									16,559
Lodge Grass		2,179								2,179
Mason Lake		1,066								1,066
Melstone				2,242						2,242
Pondera							31,995			31,995
Ragged Point				5,158						5,158
Snyder		650								650
Sumatra & Stensvad		18,223		21,274	11,380					50,877
Tule Creek								76,449		76,449
Weed Creek					7,160					7,160
Whitlash							20,065			20,065
Wolf Springs					5,997					5,997
Total Montana Oil	127,947	142,955		106,736	112,036		134,260	76,449	114,678	815,061
Canadian Oil Imported		294,147			51,230					345,377
Wyoming Oil Imported		821,836		553,413	989,500					2,364,749
Total Montana, Canadian, and Wyoming Oil	127,947	1,258,938		660,149	1,152,766		134,260	76,449	114,678	3,525,187

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1967	29,156	13,866	58,527	101,549
December, 1967	26,372	13,605	67,331	107,308
December, 1968	26,292	11,141	76,282	113,715

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1967	28.71%	13.65%	57.64%
December, 1967	24.58%	12.68%	62.74%
December, 1968	23.12%	9.80%	67.08%